

Peroxide-Forming Chemicals



- Some organic liquids potentially form explosive peroxide crystals when exposed to air or light. Longer storage time increases the chance of crystal formation.
- The Chemical Hygiene and Safety Plan (CHSP) lists common peroxideforming chemicals, safe storage times, and testing frequencies.
 - Store, label, and test peroxide formers according to the CHSP.
 - Use the Chemical Management System to store testing history
 - Check MSDSs and bottle labels for chemicals not listed in the CHSP.

Peroxide Label

WARNING: MAY FORM EXPLOSIVE PEROXIDES

Store, handle, and dispose of per LBNL Controls for Peroxide Formers.
Keep in tightly closed original container. Avoid exposure to light, air and heat. If crystals, discoloration, or layering are visible, do not open.
Contact an EH&S industrial hygienist for guidance.

THIS CHEMICAL HAS A LIMITED SHELF LIFE

Date received _____ Date opened _____ Testing interval (months) _____

PEROXIDE TEST RESULTS

(If within the concentration range from 25-100 ppm material can be used but don't evaporate or concentrate)

Date _____ Result _____ Date ____ Result _____

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Peroxide Test Strips

For more information, see the CHSP via the LBNL A-to-Z Index or contact Larry McLouth x5286